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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/778,010	02/11/2004	Kannan Srinivasan	067407-5118US	3326
32940 DORSEY & W	7590 03/29/200 HITNEY LLP	EXAMINER		
555 CALIFOR	NIA STREET, SUITE	THERKORN, ERNEST G		
SUITE 1000 SAN FRANCISCO, CA 94104			ART UNIT	PAPER NUMBER
			1723	
SHORTENED STATUTOR	Y PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE	
3 MONTHS		03/29/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

		Application No.	Applicant(s)
Office Action Summary		10/778,010	SRINIVASAN ET AL.
		Examiner	Art Unit
		Ernest G. Therkorn	1723
Period fo	The MAILING DATE of this communication app or Reply	ears on the cover sheet with the c	orrespondence address
A SHOWHIC - Exter after - If NO - Failu Any r	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DATE in a sign of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. In period for reply is specified above, the maximum statutory period were to reply within the set or extended period for reply will, by statute reply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim vill apply and will expire SIX (6) MONTHS from , cause the application to become ABANDONEI	I. lely filed the mailing date of this communication. D (35 U.S.C. § 133).
Status			
2a)⊠	Responsive to communication(s) filed on <u>22 M</u> This action is FINAL . 2b) This Since this application is in condition for allower closed in accordance with the practice under E	action is non-final.	
Dispositi	on of Claims		
5) 6)⊠ 7)□ 8)□	Claim(s) 1-16 is/are pending in the application. 4a) Of the above claim(s) 7-9 and 11-16 is/are claim(s) is/are allowed. Claim(s) 1-6 and 10 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/or on Papers	withdrawn from consideration.	
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10)	The specification is objected to by the Examine The drawing(s) filed on is/are: a) accomplicant may not request that any objection to the Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Example 2.	epted or b) objected to by the Eddrawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).
Priority u	ınder 35 U.S.C. § 119		
12)[_ a)[Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priority application from the International Bureausee the attached detailed Office action for a list	s have been received. s have been received in Application rity documents have been receive u (PCT Rule 17.2(a)).	on No ed in this National Stage
2) Notic 3) Inform	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ite

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The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-6 and 10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sherrington (U.S. Patent No. 5,066,784) in view of Barretto (U.S. Patent No. 5,532,279). At best, the claims differ from Sherrington (U.S. Patent No. 5,066,784) in reciting use of polymeric layering particles. Barretto (U.S. Patent No. 5,532,279) (column 4, lines 31-38) discloses that use of multiple layers of layering particles allows more control over the column capacity and improved column capacity. It would have been obvious to use polymeric layering particles in Sherrington (U.S. Patent No. 5,066,784) because Barretto (U.S. Patent No. 5,532,279) (column 4, lines 31-38) discloses that use of multiple layers of layering particles allows more control over the column capacity and improved column capacity.

Claim 3 is rejected under 35 U.S.C. 103(a) as being unpatentable over Sherrington (U.S. Patent No. 5,066,784) in view of Barretto (U.S. Patent No. 5,532,279) as applied to claims 1-6 and 10 above, and further in view of Pohl (U.S. Patent No. 4,376,047). At best, the claim differs from Sherrington (U.S. Patent No. 5,066,784) in view of Barretto (U.S. Patent No. 5,532,279) in reciting binding by adsorption. Pohl (U.S. Patent No. 4,376,047) (column 1, lines 46-53) binding by adsorption allows for

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attachment as a monolayer. It would have been obvious to bind by adsorption in Sherrington (U.S. Patent No. 5,066,784) in view of Barretto (U.S. Patent No. 5,532,279) because Pohl (U.S. Patent No. 4,376,047) (column 1, lines 46-53) binding by adsorption allows for attachment as a monolayer.

The remarks urge that there is no suggestion of using of polymeric layering particles in Sherrington (U.S. Patent No. 5,066,784). However, Barretto (U.S. Patent No. 5,532,279) (column 4, lines 31-38) discloses that use of multiple layers of layering particles allows more control over the column capacity and improved column capacity. As such, there is a suggestion to use polymeric layering particles in Sherrington (U.S. Patent No. 5,066,784) because Barretto (U.S. Patent No. 5,532,279) (column 4, lines 31-38) discloses that use of multiple layers of layering particles allows more control over the column capacity and improved column capacity.

The remarks appear to urge that how to form a gel is not taught. However, column 3, lines 42-50 of Sherrington (U.S. Patent No. 5,066,784) discloses gel precursors are allowed to permeate the pores and reacted with the reactive groups of the pores.

The remarks urge that Sherrington (U.S. Patent No. 5,066,784)'s gel creates a backpressure. However, column 6, lines 25-32 of Sherrington (U.S. Patent No. 5,066,784) discloses the gel causes negligible pressure development.

The remarks urge that patentability based upon better pressure drops by using a monolith. However, there is no difference in pressure drops between Sherrington (U.S. Patent No. 5,066,784) and the claims based upon use of a monolith because

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Sherrington (U.S. Patent No. 5,066,784) discloses use of a monolith also. Unexpected results can not shown when there is no difference. It is well known in the art that monoliths have reduced pressure over the use of particles.

The remarks urge patentability based upon results not of record. However, the examiner can not comment on results not of record.

The remarks urge that Sherrington (U.S. Patent No. 5,066,784) is limited to polyHIPE. This is considered to be a reference to Sherrington (U.S. Patent No. 5,066,784)'s column 8, line 62 reference to a high internal phase emulsion method of making a polymer. However, Sherrington (U.S. Patent No. 5,066,784)'s column 2, lines 65-68 and column 4, lines 63-65 monoliths do not appear to be limited to being made by a high internal phase emulsion method.

This is an RCE of applicant's Application No. 10/778,010. All claims are drawn to the same invention claimed in the earlier application and could have been finally rejected on the grounds and art of record in the next Office action if they had been entered in the earlier application. Accordingly, **THIS ACTION IS MADE FINAL** even though it is a first action in this case. See MPEP § 706.07(b). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any

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extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no, however, event will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication should be directed to E. Therkorn at telephone number (571) 272-1149. The official fax number is (703) 872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Ernest G. Therkorn Primary Examiner Art Unit 1723

Cross 6 the bow

EGT March 28, 2007